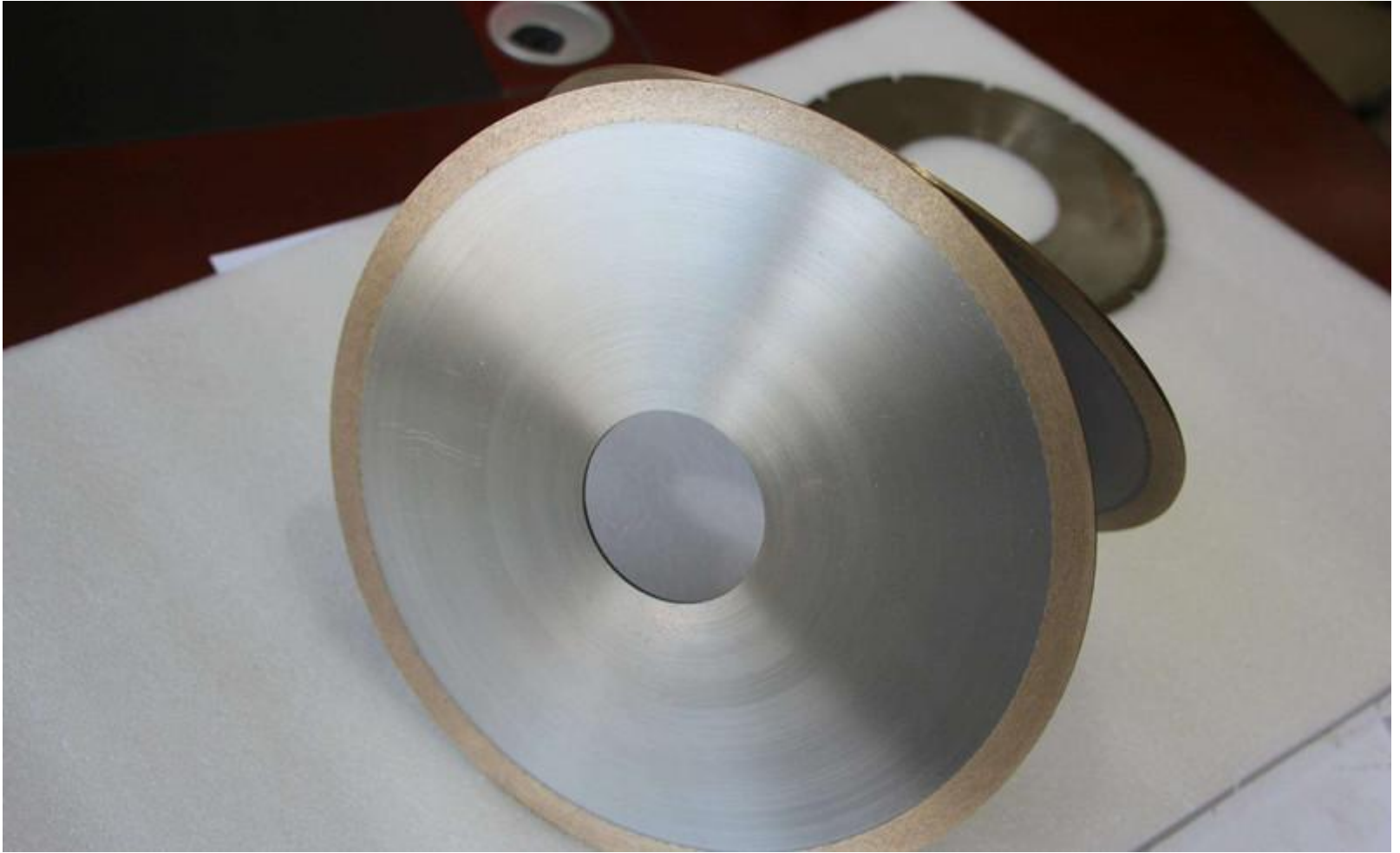


Ultra-thin diamond cutting disc

The ultra-thin diamond cutting disc is made by adding a specific diamond (or CBN) abrasive to a special metal bond, sintering under a certain temperature, pressure, and vacuum, and precisely processed by a variety of processing methods.

Customized Ultra-thin diamond cutting disc Manufacturers and Suppliers

The Ultra-thin diamond cutting disc is made by adding a specific diamond (or CBN) abrasive to a special metal bond, sintering under a certain temperature, pressure, and vacuum, and precisely processed by a variety of processing methods. Due to the bond It has strong holding ability and high wear resistance to diamond abrasive grains, and is especially suitable for precision cutting and grooving of optical components and electronic components. Products are mainly used for precision processing of optoelectronic information materials (optical glass, magnetic materials, fine ceramics, crystals, etc.).



Performance characteristics:

- 1 Excellent grinding ability and high wear resistance ensure the blade has a long service life.
- 2 The high hardness of the bonding agent makes the blade have high rigidity, so that the blade will not deform during the cutting process, thereby ensuring the perpendicularity of the cutting surface.
- 3 Through the fine adjustment of the concentration and particle size of the abrasive, it can have a good cutting efficiency under the premise of meeting the requirements of the cutting surface finish.
- 4 Advanced and scientific processing methods and strict process control ensure that the shape and position of the blade have high accuracy.
- 5 The classification of the bonding agent meets the requirements for selecting special blades for processing different materials.

6 Suitable for single chip use or multi-knife combined cutting.

Scope of application: optical glass, fine ceramics, crystals, magnetic materials, semiconductor materials, etc. The basic structure of this series of products is metal in the middle and diamond working layer in the outer ring. Due to the use of high-rigidity metal materials to integrate the steel core and the metal bond of the outer ring, high rigidity is obtained, and high load and deep cutting can be realized. By choosing different types of bonding agents, it can be suitable for cutting and grooving various materials.

Performance characteristics:

1 As the metal material is used as the steel core, the rigidity of the cutting blade is improved, and it is more suitable for deep cutting.

2 The excellent wear resistance of the working layer makes the cutter body have a long service life.

3 Abundant types of bonding agents satisfy the choice of more matching cutting blades for different processing objects.

4 The adjustment of diamond abrasive grain and concentration makes the blade have good sharpness in the cutting process, and the cutting surface has the characteristics of high smoothness and good verticality.

5 Precise processing methods ensure the high precision of the blade geometry.

Scope of application: This series of products are suitable for precision processing of the following difficult-to-process materials, such as optical glass, crystal materials, magnetic materials, semiconductor materials, fine ceramic materials and other brittle metal materials. Application: cutting glass tube (lime material), quartz glass tube, quartz crucible, optical glass, etc.

Features: high precision, long life, high efficiency cutting and grooving, reducing the occurrence of corners, chipping, gaps, and product length differences.

Features: Use of high-quality substrates for strength and rigidity; use special bonding agents with excellent sharpness and shape retention. Especially suitable for combined cutting

Type: two kinds of resin bond and bronze bond

Product specifications: Outer diameter (mm): 350, 300, 200, 150, 120, 80, 76.2, 56

Inner diameter (mm): 40, 32, 25.4, 20;

Diamond layer thickness (mm) 1.20, 1.0, 0.80, 0.60, 0.50, 0.4, 0.3, 0.2, 0.1

The precision of the diamond layer is within $\pm 0.01\text{mm}$. Matrix metal bond high-precision ultra-thin diamond cutting disc

The basic structure of this series of products is that the middle is made of metal and the outer ring is a diamond working layer. Due to the use of high-rigidity metal materials to integrate the steel core and the metal bond of the outer ring, high rigidity is obtained, and high load and deep cutting can be realized. By choosing different types of bonding agents, it can be suitable for cutting and grooving various materials.

Performance characteristics:

1 As the metal material is used as the steel core, the rigidity of the cutting blade is improved, and it is more suitable for deep cutting.

2 The excellent wear resistance of the working layer makes the cutter body have a long service life.

3 Abundant types of bonding agents satisfy the choice of more matching cutting blades for different processing objects.

4 The adjustment of diamond abrasive grain and concentration makes the blade have good sharpness in the cutting process, and the cutting surface has the characteristics of high smoothness and good verticality.

5 Precise processing methods ensure the high precision of the blade geometry.

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Scope of application: This series of products are suitable for precision processing of the following difficult-to-process materials, such as optical glass, crystal materials, magnetic materials, semiconductor materials, fine ceramic materials and other brittle metal materials. Our company is a company specializing in the production of high-precision ultra-thin sintered diamond cutting blades and ordinary ultra-thin cutting blades, and has accumulated more than ten years of experience in manufacturing diamond saw blades.

Application: cutting glass tubes (lime material), quartz glass tubes, quartz crucibles, optical glass, magnetic materials, ceramics, electronic components, tungsten steel rods, hard alloy stainless steel tubes, steel plates, etc.

Features: high precision, long life, high efficiency cutting and grooving, reducing the occurrence of corners, chipping, gaps, and product length differences.

Features: Use of high-quality substrates for strength and rigidity; use special bonding agents with excellent sharpness and shape retention. Especially suitable for combined cutting

Type: two kinds of resin bond and bronze bond

Product specifications: Outer diameter (mm): 350, 300, 200, 150, 120, 80, 76.2, 56

Inner diameter (mm): 40, 32, 25.4, 20;

Diamond layer thickness (mm) 1.20, 1.0, 0.80, 0.60, 0.50, 0.4, 0.3, 0.2, 0.1

The precision of the diamond layer is within ± 0.01 mm

Products with special requirements can be customized according to user requirements! Reasonable price! Welcome to buy/visit! This series of products uses high-performance (imported) thermosetting resin as the bonding agent, and superfine powder is added as the filler, especially high-strength cubic boron nitride (CBN) abrasive grains are uniformly mixed with the bonding agent. It is solidified and sintered under technological conditions, and is made by precision processing. This series of products has excellent cutting sharpness and high wear resistance, and is particularly suitable for precision machining of hard-to-machine materials such as hardened steel, die steel, high-speed steel, and cemented carbide, including cutting and grooving.

Product specifications: Outer diameter (mm): 350, 300, 200, 150, 120, 80, 76.2, 56



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Inner diameter (mm): 40, 32, 25.4, 20;

Diamond layer thickness (mm) 1.20, 1.0, 0.80, 0.60, 0.50, 0.4, 0.3, 0.2, 0.1

The precision of the diamond layer is within ± 0.01 mm. The very abundant projects administration experiences and 1 to 1 provider model make the higher importance of company communication and our easy understanding of your expectations for Factory Promotional China Custom Dry or Wet Diamond Cutting Disc Tile Marble Stone Circular Saw Blade. The principle of our business is to present high-quality items, expert support, and truthful communication. Welcome all close friends to place trial buy for developing a long-term business relationship. Factory Promotional China Saw Blade, HSS, High output volume, top quality, timely delivery and your satisfaction are guaranteed. We welcome all inquiries and comments. If you are interested in any of our products and solutions or have an OEM order to fulfill, be sure to feel free to contact us now. Working with us will save you money and time.